

HAND RECEIPT

COVERING CONTENTS OF COMPONENTS OF
END ITEM (COEI), BASIC ISSUE ITEMS (BII),
AND ADDITIONAL AUTHORIZATION LIST (AAL)

FOR

**TEST SET, POSITION AND AZIMUTH
DETERMINING SYSTEM**

AN/USM-427

NSN 6675-01-081-9198

This manual supersedes TM 5-6675-238-14-HR, 17 May 1983,

Approved for public release. Distribution is unlimited.

HEADQUARTERS, DEPARTMENT OF THE ARMY
20 JANUARY 1988

HAND RECEIPT

TM 5-6675-238-14-HR

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 20 January 1988

HAND RECEIPT
COVERING COMPONENTS OF COMPONENTS OFG END ITEM (COEI),
BASIC ISSUE ITEMS (BII),AND ADDITIONAL AUTHORIZATION LIST (AAL)

FOR

TEST SET, POSITION AND AZIMUTH DETERMINING SYSTEM

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REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

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HAND RECEIPT FOR CONTENTS OF
COMPONENTS OF END ITEM (COEI), BASIC ISSUE ITEMS (BII), AND
ADDITIONAL AUTHORIZATION LIST (AAL) ITEM5 FOR
TEST SET, POSITION AND AZIMUTH DETERMINING SYSTEM
AN/USM-427
NSN 6675-01-081-9198

Section I. INTRODUCTION

1. SCOPE. This publication provides overprinted DA Form 2062 (Hand Receipt) which lists the contents of Components of End Item (COEI), Basic Issue Items (BII), and Additional Authorization List (AAL) items related to the Position and Azimuth Determining System Test Set, AN/USM-427.

2. GENERAL.

Section II is the overprinted DA Form 2062 which lists the content of COEI, BII, and AAL extracted from TM 5-6675-238-14. The listings consist of exactly the same items and are in the same sequence as those listings in TM 5-6675-238-14.

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3. EXPLANATION OF BLOCKS AND COLUMNS (DA Form 2062). Refer to DA PAM 710-2-1. Additional information required to complete DA Form 2062 is listed below:

a. Hand receipts shall identify the accounting requirement status of all line item entries of column c. One of the following Accounting Requirement Code (ARC) will apply:

(N) for Nonexpendable: Items not consumed in use, retaining their identity during use, and requiring that accountability be maintained throughout the life of the item.

(D) for Durable: Nonconsumable components of sets, kits, outfits, and assemblages; all tools in FSC's 5110, 5120, 5130, 5133, 5136, 5140, 5180, 5210, 5220, and 5280; and any other nonconsumable with a price in excess of \$50.00 not already "N."

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b. Authorization documents are as follows:

(1) Components of End Item (COEI) are authorized by the applicable Repair Parts and Special Tools List (RPSTL).

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Section II. HAND RECEIPT

HAND RECEIPT/ANNEX NUMBER <i>For use of this form, see DA PAM 710-2-1. The proponent agency is ODCSLOG.</i>		FROM	TO	PUBLICATION NUMBER TM 5-6675-238-14		PUBLICATION DATE		HAND RECEIPT NUMBER					
END ITEM STOCK NUMBER	END ITEM DESCRIPTION	ITEM DESCRIPTION	*	SEC	UI	QTY AUTH	A	B	C	D	E	F	
STOCK NUMBER							QUANTITY						
6675-01-081-9198	TEST SET, POSITION AND AZIMUTH DETERMINING		N										
	SYSTEM, AN/USM-427												
	COMPONENTS OF END ITEM (COEI)												
	SIGNAL PROCESSOR UNIT TS-3617/USM-427		N			1							
	(06481) (877450-1)												
	SIGNAL PROCESSOR UNIT CASE CY-7563/USM-427		D			1							
	(06481) (877427-1)												
	PUNCHED TAPE READER RP-239/USM-427		N			1							
	(06481) (877406-1)												
	PUNCHED TAPE READER CASE CY-7562/USM-427		D			1							
	(06481) (877407-1)												
	BUFFER UNIT CY-3404/USM-427 (06481)		N			1							
	(877440-1)												
	TEST SET ACCESSORY CASE CY-7609/USM-427		D			1							
	(06481) (877428-1)												

* WHEN USED AS A:
 HAND RECEIPT, enter Hand Receipt Annex Number
 HAND RECEIPT FOR QUARTERS FURNITURE, enter Condition Codes
 HAND RECEIPT ANNEX/COMPONENTS RECEIPT, enter Accounting Requirements Code (ARC).

STOCK NUMBER a.	ITEM DESCRIPTION b.	*	SEC d.	QTY AUTH f.	QUANTITY						
					A	B	C	D	E	F	
	COEI - Continued										
	CABLE ASSEMBLY, POWER, 96-INCH, W201 (06481) (875753-1)	D		1							
	CABLE ASSEMBLY, SPECIAL PURPOSE, 60-INCH, W203 (06481) (875753-2)	D		1							
	CABLE ASSEMBLY, SPECIAL PURPOSE, 72-INCH, W204 (06481) (875753-3)	D		1							
	CABLE ASSEMBLY, SPECIAL PURPOSE, 120-INCH, W205 (06481) (875753-4)	D		1							
	CABLE ASSEMBLY, SPECIAL PURPOSE, 180-INCH, W212 (06481) (875753-9)	D		1							
	CABLE ASSEMBLY, SPECIAL PURPOSE, 72-INCH, W209 (06481) (875753-6)	D		1							
	CABLE ASSEMBLY, SPECIAL PURPOSE, 14-INCH, W210 (06481) (875753-7)	D		1							
	CABLE ASSEMBLY, SPECIAL PURPOSE, 126-INCH, W211 (06481) (875753-8)	D		1							
	CARD EXTRACTOR (06481) (877490-1)	D		1							
	CARD EXTRACTOR (06481) (877435-1)	D		1							
	SELF-TEST TAPE (06481) (877417-1)	D		1							
	TAKE-UP REEL (06481) (951332-1)	D		1							

STOCK NUMBER <i>a.</i>	ITEM DESCRIPTION <i>b.</i>	*	SEC <i>d.</i>	UT <i>c.</i>	QTY AUTH <i>f.</i>	QUANTITY														
						A	B	C	D	E	F									
	COEI - Continued																			
	DIAGNOSTIC TAPE (06481) (877418-3)	D			1															
	OPERATIONAL TAPE (06481) (877419-3)	D			1															
	CARD EXTENDER, TAPE READER (97525) (E116-01)	D			1															
	BASIC ISSUE ITEMS (BII)																			
	TM 5-6675-238-14				1															
	SHORTING PLUG (06481) (875738-1)	X			1															

HAND RECEIPT/ANNEX NUMBER For use of this form, see DA PAM 710-2-1. The proponent agency is ODCSLOG.			FROM:			TO:			HAND RECEIPT NUMBER					
END ITEM STOCK NUMBER			END ITEM DESCRIPTION			PUBLICATION NUMBER TM 5-6675-238-14			PUBLICATION DATE			QUANTITY		
STOCK NUMBER a.	ITEM DESCRIPTION b.	*	SEC	UI	QTY AUTH	e.								
						A	B	C	D	E	F			
	ADDITIONAL AUTHORIZATION LIST (AAL)													
	FUSE (81349) (F028125V3A)	X			1									
	FUSE (81349) (F02A25V3/4A)	X			1									
	FUSE (81349) (F02A2505A)	X			1									
	FUSE (81349) (F02A250V1/8A)	X			1									
	FUSE (81349) (F02A250V11/2A)	X			1									

* WHEN USED AS A:
 HAND RECEIPT, enter Hand Receipt Annex Number
 HAND RECEIPT FOR QUARTERS FURNITURE, enter Condition Codes
 HAND RECEIPT ANNEX/COMPONENTS RECEIPT, enter Accounting Requirements Code (ARC).

By Order of the Secretary of the Army:

CARL E. VUONO
General, United States Army
Chief of Staff

Official:

R. L. DILWORTH
Brigadier General, United States Army
The Adjutant General

DISTRIBUTION:

To be distributed in accordance with DA Form 12-25A, Unit Maintenance requirements for Test Set, Position & Azimuth Determining System (PADS) (AN/USM-427).



THEN... JOT DOWN THE DOPE ABOUT IT ON THIS FORM. CAREFULLY TEAR IT OUT, FOLD IT AND DROP IT IN THE MAIL!

SOMETHING WRONG WITH THIS PUBLICATION?

FROM (PRINT YOUR UNIT'S COMPLETE ADDRESS)
PFC JOHN DOE
COA, 3d ENGINEER BN
FT. LEONARDWOOD, MO 63108
 DATE SENT

PUBLICATION NUMBER
 TM 5-6675-238-14-HR

PUBLICATION DATE
 20 Jan 88

PUBLICATION TITLE
 Test Set, Position and Azimuth
 Determining System

BE EXACT PIN-POINT WHERE IT IS

PAGE NO	PARA-GRAPH	FIGURE NO	TABLE NO
6	2-1 a		
B1		4-3	
125	line 20		

IN THIS SPACE TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT:

In line 6 of paragraph 2-1a the manual states the engine has 6 Cylinders. The engine on my set only has 4 Cylinders. Change the manual to show 4 Cylinders.

Callout 16 on figure 4-3 is pointing at a bolt. In key to figure 4-3, item 16 is called a shim - Please correct one or the other.

I ordered a gasket, item 19 on figure B-16 by NSN 2910-00-762-3001. I got a gasket but it doesn't fit. Supply says I got what I ordered, so the NSN is wrong. Please give me a good NSN

PRINTED NAME, GRADE OR TITLE AND TELEPHONE NUMBER

JOHN DOE, PFC (268) 317-7111

SIGN HERE

JOHN DOE

DA FORM 2028-2
 1 JUL 79

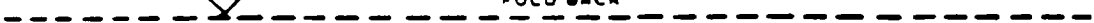
PREVIOUS EDITIONS ARE OBSOLETE.
 DRSTS-M Overprint 1, 1 Nov 80

P.S. - IF YOUR OUTFIT WANTS TO KNOW ABOUT YOUR RECOMMENDATION MAKE A CARBON COPY OF THIS AND GIVE IT TO YOUR HEADQUARTERS

TEAR ALONG PERFORATED LINE

FILL IN YOUR
UNIT'S ADDRESS

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DATE SENT

PUBLICATION NUMBER TM 5-6675-238-14-HR		PUBLICATION DATE 20 Jan 88	PUBLICATION TITLE Test Set, Position and Azimuth Determining System
---	--	-------------------------------	--

BE EXACT PIN-POINT WHERE IT IS

PAGE NO	PARA-GRAPH	FIGURE NO	TABLE NO
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IN THIS SPACE TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT:

TEAR ALONG PERFORATED LINE

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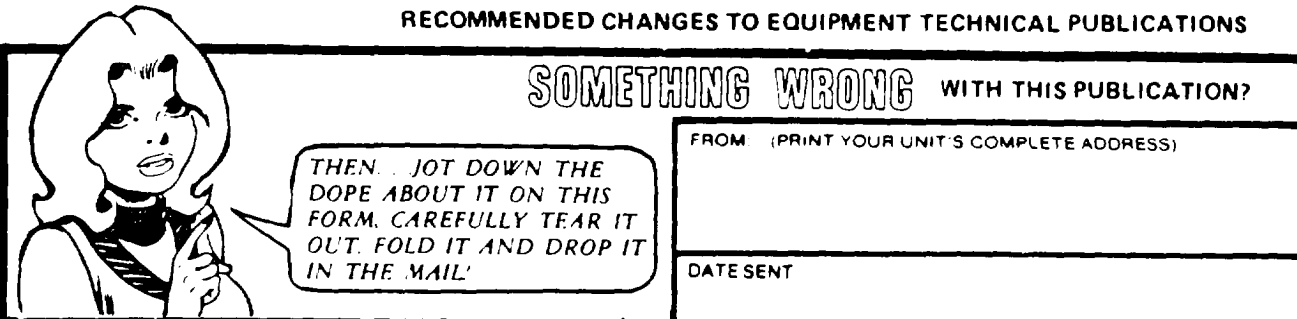
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TEAR ALONG PERFORATED LINE

The Metric System and Equivalents

Linear Measure

1 centimeter = 10 millimeters = .39 inch
 1 decimeter = 10 centimeters = 3.94 inches
 1 meter = 10 decimeters = 39.37 inches
 1 dekameter = 10 meters = 32.8 feet
 1 hectometer = 10 dekameters = 328.08 feet
 1 kilometer = 10 hectometers = 3,280.8 feet

Weights

1 centigram = 10 milligrams = .15 grain
 1 decigram = 10 centigrams = 1.54 grains
 1 gram = 10 decigrams = .035 ounce
 1 dekagram = 10 grams = .35 ounce
 1 hectogram = 10 dekagrams = 3.52 ounces
 1 kilogram = 10 hectograms = 2.2 pounds
 1 quintal = 100 kilograms = 220.46 pounds
 1 metric ton = 10 quintals = 1.1 short tons

Liquid Measure

1 centiliter = 10 milliliters = .34 fl. ounce
 1 deciliter = 10 centiliters = 3.38 fl. ounces
 1 liter = 10 deciliters = 33.81 fl. ounces
 1 dekaliter = 10 liters = 2.64 gallons
 1 hectoliter = 10 dekaliters = 26.42 gallons
 1 kiloliter = 10 hectoliters = 264.18 gallons

Square Measure

1 sq. centimeter = 100 sq. millimeters = .155 sq. inch
 1 sq. decimeter = 100 sq. centimeters = 15.5 sq. inches
 1 sq. meter (centare) = 100 sq. decimeters = 10.76 sq. feet
 1 sq. dekameter (are) = 100 sq. meters = 1,076.4 sq. feet
 1 sq. hectometer (hectare) = 100 sq. dekameters = 2.47 acres
 1 sq. kilometer = 100 sq. hectometers = .386 sq. mile

Cubic Measure

1 cu. centimeter = 1000 cu. millimeters = .06 cu. inch
 1 cu. decimeter = 1000 cu. centimeters = 61.02 cu. inches
 1 cu. meter = 1000 cu. decimeters = 35.31 cu. feet

Approximate Conversion Factors

To change	To	Multiply by	To change	To	Multiply by
inches	centimeters	2.540	ounce-inches	newton-meters	.007062
feet	meters	.305	centimeters	inches	.394
yards	meters	.914	meters	feet	3.280
miles	kilometers	1.609	meters	yards	1.094
square inches	square centimeters	6.451	kilometers	miles	.621
square feet	square meters	.093	square centimeters	square inches	.155
square yards	square meters	.836	square meters	square feet	10.764
square miles	square kilometers	2.590	square meters	square yards	1.196
acres	square hectometers	.405	square kilometers	square miles	.386
cubic feet	cubic meters	.028	square hectometers	acres	2.471
cubic yards	cubic meters	.765	cubic meters	cubic feet	35.315
fluid ounces	milliliters	29.573	cubic meters	cubic yards	1.308
pints	liters	.473	milliliters	fluid ounces	.034
quarts	liters	.946	liters	pints	2.113
gallons	liters	3.785	liters	quarts	1.057
ounces	grams	28.349	liters	gallons	.264
pounds	kilograms	.454	grams	ounces	.035
short tons	metric tons	.907	kilograms	pounds	2.205
pound-feet	newton-meters	1.356	metric tons	short tons	1.102
pound-inches	newton-meters	.11296			

Temperature (Exact)

°F	Fahrenheit	5/9 (after	Celsius	°C
	temperature	subtracting 32)	temperature	

HAND RECEIPT

TM 5-6675-238-14-HR

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HAND RECEIPT
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FOR
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AN/USM-427
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END ITEM STOCK NUMBER FOR ANNEX/CR ONLY	END ITEM DESCRIPTION	ITEM DESCRIPTION <i>h</i>	*	SEC <i>d</i>	UI <i>e</i>	QTY AUTH <i>f</i>	R	A	B	C	D	E	F
STOCK NUMBER <i>a</i>								QUANTITY					
6675-01-081-9198	TEST SET, POSITION AND AZIMUTH DETERMINING SYSTEM, AN/USM-427		N										
	COMPONENTS OF END ITEM (COEI)												
	SIGNAL PROCESSOR UNIT TS-3617/USM-427 (06481) (877450-1)		N			1							
	SIGNAL PROCESSOR UNIT CASE CY-7563/USM-427 (06481) (877427-1)		D			1							
	PUNCHED TAPE READER RP-239/USM-427 (06481) (877406-1)		N			1							
	PUNCHED TAPE READER CASE CY-7562/USM-427 (06481) (877407-1)		D			1							
	BUFFER UNIT CY-3404/USM-427 (06481) (877440-1)		N			1							
	TEST SET ACCESSORY CASE CY-7609/USM-427 (06481) (877428-1)		D			1							

* WHEN USED AS A:
 HAND RECEIPT, enter Hand Receipt Annex Number
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 HAND RECEIPT ANNEX/COMPONENTS RECEIPT, enter Accounting Requirements Code (ARC).

STOCK NUMBER a.	ITEM DESCRIPTION b.	*	SEC d.	QTY AUTH f.	QUANTITY						
					A	B	C	D	E	F	
	COEI - Continued										
	CABLE ASSEMBLY, POWER, 96-INCH, W201 (06481) (875753-1)	D		1							
	CABLE ASSEMBLY, SPECIAL PURPOSE, 60-INCH, W203 (06481) (875753-2)	D		1							
	CABLE ASSEMBLY, SPECIAL PURPOSE, 72-INCH, W204 (06481) (875753-3)	D		1							
	CABLE ASSEMBLY, SPECIAL PURPOSE, 120-INCH, W205 (06481) (875753-4)	D		1							
	CABLE ASSEMBLY, SPECIAL PURPOSE, 180-INCH, W212 (06481) (875753-9)	D		1							
	CABLE ASSEMBLY, SPECIAL PURPOSE, 72-INCH, W209 (06481) (875753-6)	D		1							
	CABLE ASSEMBLY, SPECIAL PURPOSE, 14-INCH, W210 (06481) (875753-7)	D		1							
	CABLE ASSEMBLY, SPECIAL PURPOSE, 126-INCH, W211 (06481) (875753-8)	D		1							
	CARD EXTRACTOR (06481) (877490-1)	D		1							
	CARD EXTRACTOR (06481) (877435-1)	D		1							
	SELF-TEST TAPE (06481) (877417-1)	D		1							
	TAKE-UP REEL (06481) (951332-1)	D		1							

STOCK NUMBER a.	ITEM DESCRIPTION b.	*	SEC d.	UT c.	QTY AUTH f.	QUANTITY									
						A	B	C	D	E	F				
	COEI - Continued														
	DIAGNOSTIC TAPE (06481) (877418-3)	D			1										
	OPERATIONAL TAPE (06481) (877419-3)	D			1										
	CARD EXTENDER, TAPE READER (97525) (E116-01)	D			1										
	BASIC ISSUE ITEMS (BII)														
	TM 5-6675-238-14				1										
	SHORTING PLUG (06481) (875738-1)	X			1										

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						g.	A	B	C	D	E	F								
	ADDITIONAL AUTHORIZATION LIST (AAL)																			
	FUSE (81349) (F028125V3A)	X			1															
	FUSE (81349) (F02A25V3/4A)	X			1															
	FUSE (81349) (F02A2505A)	X			1															
	FUSE (81349) (F02A250V1/8A)	X			1															
	FUSE (81349) (F02A250V11/2A)	X			1															

* WHEN USED AS A:
 HAND RECEIPT, enter Hand Receipt Annex Number
 HAND RECEIPT FOR QUARTERS FURNITURE, enter Condition Codes
 HAND RECEIPT ANNEX/COMPONENTS RECEIPT, enter Accounting Requirements Code (ARC).

By Order of the Secretary of the Army:

CARL E. VUONO
General, United States Army
Chief of Staff

Official:

R. L. DILWORTH
Brigadier General, United States Army
The Adjutant General

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To be distributed in accordance with DA Form 12-25A, Unit Maintenance requirements for Test Set, Position & Azimuth Determining System (PADS) (AN/USM-427).



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PFC JOHN DOE
COA, 3d ENGINEER BN
FT. LEONARDWOOD, MO 63108
 DATE SENT

PUBLICATION NUMBER: **TM 5-6675-238-14-HR**
 PUBLICATION DATE: **20 Jan 88**
 PUBLICATION TITLE: **Test Set, Position and Azimuth Determining System**

BE EXACT PIN-POINT WHERE IT IS				IN THIS SPACE TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT:
PAGE NO	PARA-GRAPH	FIGURE NO	TABLE NO	
6	2-1 a			In line 6 of paragraph 2-1a the manual states the engine has <u>6</u> cylinders. The engine on my set only has <u>4</u> cylinders. Change the manual to show <u>4</u> cylinders.
B1		4-3		Callout 16 on figure 4-3 is pointing at a <u>bolt</u>. In key to figure 4-3, item 16 is called a <u>shim</u> - Please correct one or the other.
125	line 20			I ordered a gasket, item 19 on figure B-16 by NSN 2910-00-762-3001. I got a gasket but it doesn't fit. Supply says I got what I ordered, so the NSN is wrong. Please give me a good NSN

TEAR ALONG PERFORATED LINE

PRINTED NAME, GRADE OR TITLE AND TELEPHONE NUMBER
JOHN DOE, PFC (268) 317-7111

SIGN HERE **John DOE**
JOHN DOE

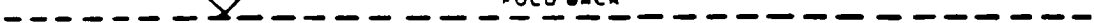
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TEAR ALONG PERFORATED LINE

The Metric System and Equivalents

Linear Measure

1 centimeter = 10 millimeters = .39 inch
 1 decimeter = 10 centimeters = 3.94 inches
 1 meter = 10 decimeters = 39.37 inches
 1 dekameter = 10 meters = 32.8 feet
 1 hectometer = 10 dekameters = 328.08 feet
 1 kilometer = 10 hectometers = 3,280.8 feet

Weights

1 centigram = 10 milligrams = .15 grain
 1 decigram = 10 centigrams = 1.54 grains
 1 gram = 10 decigrams = .035 ounce
 1 dekagram = 10 grams = .35 ounce
 1 hectogram = 10 dekagrams = 3.52 ounces
 1 kilogram = 10 hectograms = 2.2 pounds
 1 quintal = 100 kilograms = 220.46 pounds
 1 metric ton = 10 quintals = 1.1 short tons

Liquid Measure

1 centiliter = 10 milliliters = .34 fl. ounce
 1 deciliter = 10 centiliters = 3.38 fl. ounces
 1 liter = 10 deciliters = 33.81 fl. ounces
 1 dekaliter = 10 liters = 2.64 gallons
 1 hectoliter = 10 dekaliters = 26.42 gallons
 1 kiloliter = 10 hectoliters = 264.18 gallons

Square Measure

1 sq. centimeter = 100 sq. millimeters = .155 sq. inch
 1 sq. decimeter = 100 sq. centimeters = 15.5 sq. inches
 1 sq. meter (centare) = 100 sq. decimeters = 10.76 sq. feet
 1 sq. dekameter (are) = 100 sq. meters = 1,076.4 sq. feet
 1 sq. hectometer (hectare) = 100 sq. dekameters = 2.47 acres
 1 sq. kilometer = 100 sq. hectometers = .386 sq. mile

Cubic Measure

1 cu. centimeter = 1000 cu. millimeters = .06 cu. inch
 1 cu. decimeter = 1000 cu. centimeters = 61.02 cu. inches
 1 cu. meter = 1000 cu. decimeters = 35.31 cu. feet

Approximate Conversion Factors

To change	To	Multiply by	To change	To	Multiply by
inches	centimeters	2.540	ounce-inches	newton-meters	.007062
feet	meters	.305	centimeters	inches	.394
yards	meters	.914	meters	feet	3.280
miles	kilometers	1.609	meters	yards	1.094
square inches	square centimeters	6.451	kilometers	miles	.621
square feet	square meters	.093	square centimeters	square inches	.155
square yards	square meters	.836	square meters	square feet	10.764
square miles	square kilometers	2.590	square meters	square yards	1.196
acres	square hectometers	.405	square kilometers	square miles	.386
cubic feet	cubic meters	.028	square hectometers	acres	2.471
cubic yards	cubic meters	.765	cubic meters	cubic feet	35.315
fluid ounces	milliliters	29.573	cubic meters	cubic yards	1.308
pints	liters	.473	milliliters	fluid ounces	.034
quarts	liters	.946	liters	pints	2.113
gallons	liters	3.785	liters	quarts	1.057
ounces	grams	28.349	liters	gallons	.264
pounds	kilograms	.454	grams	ounces	.035
short tons	metric tons	.907	kilograms	pounds	2.205
pound-feet	newton-meters	1.356	metric tons	short tons	1.102
pound-inches	newton-meters	.11296			

Temperature (Exact)

°F	Fahrenheit	5/9 (after	Celsius	°C
	temperature	subtracting 32)	temperature	

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